

## 102.17 - Zinc Base Alloys (block, chip and disk forms)

SRM 1738 through 1742 and SRM 2139 are specially prepared alloys primarily intended for use with spectrometric methods of analysis.

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	94c	625	626	627	628	629	630	631	1738	1739
Description	Zinc-Base Alloy (Die Casting)	Zinc-Base A	Zinc-Base B	Spectrographic Zinc-Base Die-Casting Alloy C	Spectrographic Zinc-Base Die-Casting Alloy D	Zinc-Base E-ASTM AC 41A	Zinc-Base F	Spectrographic Zinc Spelter (Modified)	Zinc-Aluminum Alloy	Zinc-Aluminum Alloy
Unit of Issue	(150 g)	(block)	(block)	(block)	(block)	(block)	(block)	(block)	(disk)	(disk)
Concentration are expressed as mass fraction, in %										
<b>Aluminum (Al)</b>	4.13	3.06	3.56	3.88	4.59	5.15	4.30	0.50	0.1014	0.2049
<b>Cadmium (Cd)</b>	0.002	0.0007	0.0016	0.0051	0.0040	0.0155	0.0048	0.0002		
<b>Calcium (Ca)</b>								<0.001		
<b>Chromium (Cr)</b>		0.0128	0.0395	0.0038	0.0087	0.0008	0.0031	0.0001		
<b>Copper (Cu)</b>	1.01	0.034	0.056	0.132	0.611	1.50	0.976	0.0013		
<b>Gallium (Ga)</b>								(0.002)		
<b>Germanium (Ge)</b>								(0.0002)		
<b>Indium (In)</b>								0.0023		
<b>Iron (Fe)</b>	0.018	0.036	0.103	0.023	0.066	0.017	0.023	0.005		
<b>Lead (Pb)</b>	0.006	0.0014	0.0022	0.0082	0.0045	0.0135	0.0083	(0.001)	0.0101	0.0302
<b>Magnesium (Mg)</b>	0.042	0.070	0.020	0.030	0.0094	0.094	0.030	(<0.001)		
<b>Manganese (Mn)</b>	0.014	0.031	0.048	0.014	0.0091	0.0017	0.0106	0.00015		
<b>Nickel (Ni)</b>	0.006	0.0184	0.047	0.0029	0.030	0.0075	0.0027	(<0.0005)		
<b>Silicon (Si)</b>		0.017	0.042	0.021	0.008	0.078	0.022	(0.002)		
<b>Silver (Ag)</b>								(<0.0005)		
<b>Tin (Sn)</b>	0.006	0.0006	0.0012	0.0042	0.0017	0.012	0.0040	0.0001		
<b>Zinc (Zn)</b>										

- Certified values are normal font

- Reference values are italicized

- Values in parentheses are for information only

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**1740**

### **Zinc-Aluminum Alloy**

**(disk)**

0.4177

0.0691

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